

# SPEC•AID™ 8Q462

JP-8 + 100 Jet Fuel High Temperature Stability Additive

## Product Facts

**SPEC•AID 8Q462** is designed to:

- Provide greater fuel heat sink capacity by allowing fuel temperatures to increase as much as 38°C, (100°F) without degradation
- Reduce deposits in turbine engines using military (JP-8) and commercial (JET-A) aviation fuels
- Clean up carbon buildup in fuel system and combustion sections of turbine engines
- Reduce hazardous waste disposal costs associated with cleaning aircraft parts

### DESCRIPTION AND USE

**SPEC•AID 8Q462** is a unique, patented jet fuel additive designed to improve the thermal stability of both commercial and military aviation fuels.

As part of the **U.S. Air Force JP-8+100 Project**, an exhaustive search of well over 325 candidates was made to find an additive which increases the thermal stability of JP-8 by as much as 38°C, (100°F).

**SPEC•AID 8Q462** is the first additive to meet the goals of this project and has now been field tested at multiple active Air Force and Air National Guard locations.

**SPEC•AID 8Q462** is oil soluble with good low temperature handling characteristics and can be fed neat in its delivered form.

### APPLICATION

**SPEC•AID 8Q462** should be applied at the truck or vehicle re-fueling operation using an injector system to meter the additive flow. Care should be taken in moving the injection point further up the refueling process as de-activation of water coalescer systems is possible.

### TREATMENT

Proper treatment level for **SPEC•AID 8Q462** in JP-8 per MIL-T-83133 is 256 PPM (mg/L); however, the actual treatment levels

will depend on the type of problem and the desired result.

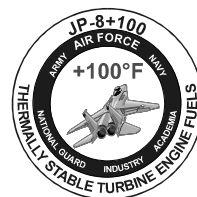
### FEEDING

For consistent effectiveness **SPEC•AID 8Q462** should be fed by a chemical proportioning pump or a recommended injection system per military or engine manufacturer.

DO NOT MIX with other Finished Product Additive chemicals unless compatibility has been checked with Product Management.

### EVALUATION

For best treatment performance, the addition of **SPEC•AID 8Q462** should be in conjunction with a monitoring program designed to focus on fuel related anomalies. Common tracking variables include the actual number, mean time between occurrences, and the reduction in maintenance and labor. An additional metric to include as part of a monitoring program is the effect on fleet readiness rate after treatment.



## **SAFETY PRECAUTIONS - TYPICAL PROPERTIES**

A Material Safety Data Sheet (MSDS) containing physical properties data and detailed safety information for this product is available by contacting your BetzDearborn representative.

## **PACKAGING**

The BetzDearborn Drumless Delivery Program consists of a wide range of customized systems to meet the unique needs of every customer, all around the world. Our ChemSure™ Drumless Delivery Program ensures a Safe, Reliable, Responsive, Easy and Environmentally Safe supply of treatment chemicals. The four universal delivery systems are:

- ChemSure™ Bulk Delivery System
- ChemSure™ Custom Bulk Delivery System
- ChemSure™ Tote Delivery System
- ChemSure™ Mini-Bulk Delivery System

Check with your BetzDearborn representative for delivery options available in your area.

## **SHIPPING POINTS**

BetzDearborn owns and operates chemical production facilities in the following countries:

Australia	Belgium
Brazil	Canada
Chile	Colombia
France	Italy
Korea	S. Africa
Singapore	Sweden
Taiwan	UK
USA	Venezuela

Typically, shipment is made from the production plant that is nearest to the customer.

## **PRICES**

All sales are subject to BetzDearborn's terms and conditions of sale. Volume price discounts are offered.

## **TO ORDER, OR FOR MORE INFORMATION**

Phone, FAX or mail orders to the nearest BetzDearborn HPG office. U.S. customers can place orders through the BetzDearborn Customer Support Center (**CSC**), at 1-800-736-2389.

### **BetzDearborn Hydrocarbon Process Group Inc.**

The Woodlands, Texas, USA  
77387-4300

N. America & Caribbean  
281-367-2442  
(FAX) 281-363-7790

Asia Pacific 65-268-4366  
(FAX) 65-264-0763

Australia 61-2-9827-6100  
(FAX) 61-2-9827-6150

Europe 32-16-40-2000  
(FAX) 32-16-40-0087

Latin America  
58-41-42-8029  
(FAX) 58-41-42-0472